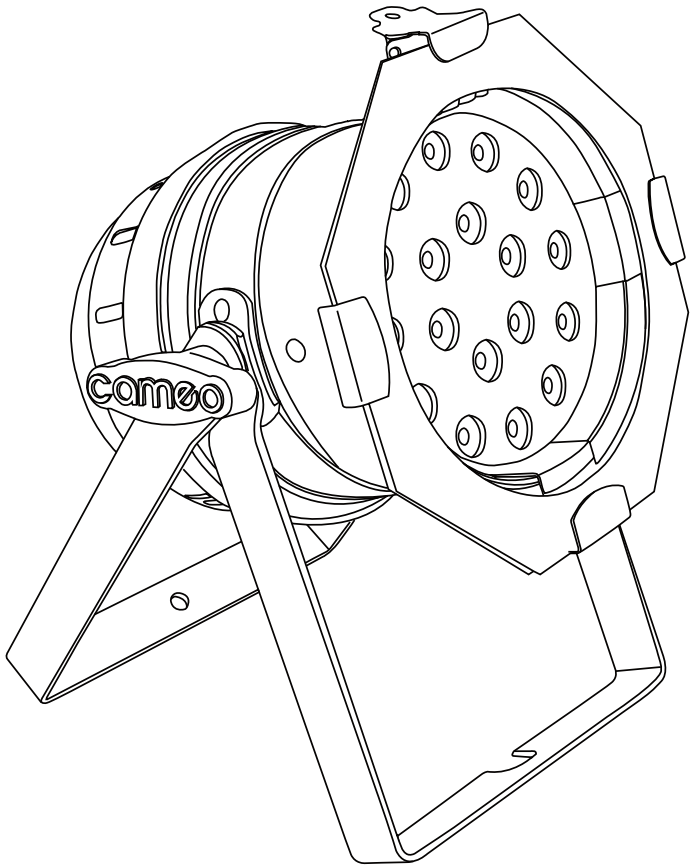
USER´S MANUAL
BEDIENUNGSANLEITUNG
MANUEL D´UTILISATION
MANUAL DE USUARIO
INSTRUKCJA OBSŁUGI
MANUALE D‘USO

cameo®
colours of light



PAR **64** CAN

18 X 8W QUAD COLOUR LED PAR CAN RGBW CLP**64**Q**8**W

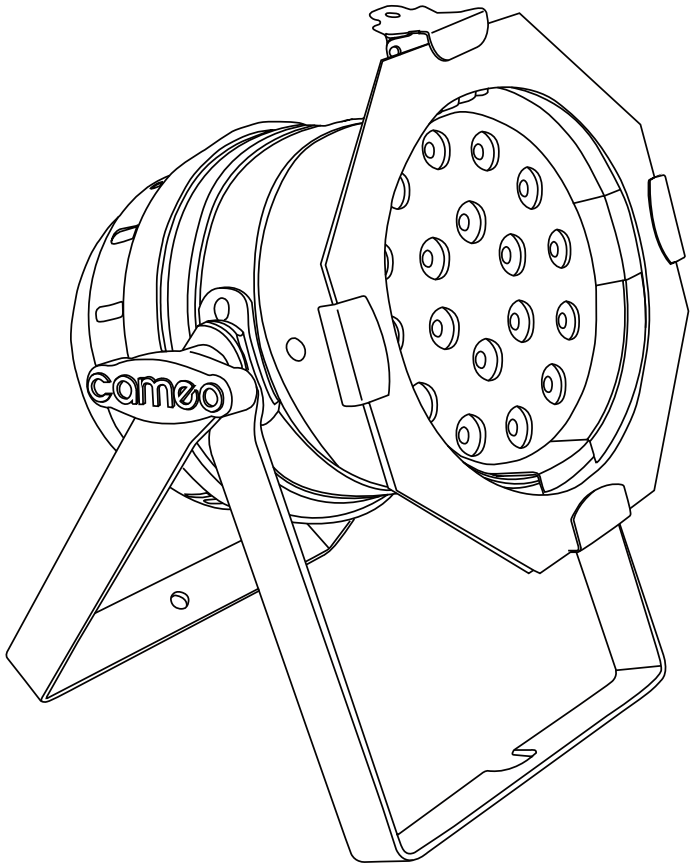
Thank you for choosing Cameo Lights!

We have designed this product to give you reliable operation over many years.

Please, take a few moments to read these instructions carefully, as we want you to enjoy your new Cameo Lights products quickly and to the fullest.
Further information about Cameo Lights check our website WWW.**CAMEOLIGHT**.COM

PAR **64** CAN

18 X 8W QUAD COLOUR LED PAR CAN RGBW CLP**64**Q**8**W



ENGLISH

DEUTSCH

FRANCAIS

ESPAÑOL

POLSKI

ITALIANO

PREVENTIVE MEASURES:

ENGLISH
DEUTSCH
FRANCAIS
ESPAÑOL
POLSKI
ITALIANO

1. Please read this information carefully.
2. Keep all information and instructions in a safe place.
3. Please follow the instructions.
4. Please observe all warnings. Don‘t remove safety instructions or any other information located on the device.
5. Use the device only in the intended manner.
6. Use only stable and appropriate stands and/or mounts when the device is permanently installed. Make certain that wall brackets are firmly secured. Make certain that the unit is installed securely and cannot fall down.
7. When installing please observe the corresponding safety standards for your country.
8. Do not install the device near radiators, heat accumulators, ovens or other sources of heat. Make certain that the device is always installed so that is cooled sufficiently and cannot overheat.
9. Do not place open sources of ignition, e.g., burning candles, on the device.
10. Do not cover ventilation slots.
11. Do not operate the device in the immediate vicinity of water. Do not expose this equipment to combustible materials, liquids or gases.
12. Please make certain that dripping or splashing water cannot get inside the device. Do not put objects filled with fluids, such as vases or drinking vessels, on top of the device.
13. Make certain that objects cannot fall into the device.
14. Use the device only with accessories with which the manufacturer intends the device to be used.
15. CAUTION: If this device has a mains connector equipped with protective earth, it must be connected to a mains socket with a protective ground connection. Never disable the function of the protective ground connection of the included power cord.
16. Do not turn on the device immediately if it was exposed to strong temperature fluctuations (for example after transportation). Moisture and condensation may damage the device. Leave the device switched off until it has reached room temperature.
17. Do not open the device and do not make any changes to the device.
18. Before connecting to mains power, make certain that the mains voltage and the mains frequency are the same as the operating values of the device (see type label). If the device is equipped with a supply voltage selector switch, make certain that the values of the device match the values of the mains power before connecting. If the plug on the included cord does not fit your mains outlet, contact your electrician.
19. Make certain that the power cord is not stepped on. Protect the power cord against pinching, especially at the device plug and the power plug.
20. In order to prevent damage or accidents, for example, due to tripping hazards, check all connections once you have connected the device.
21. When connecting the device, make certain that the power plug remains readily accessible.
Always pull out the power plug when the device is not in use or when you clean the device. Disconnect the power cord by pulling the plug not the cable.
22. Avoid switching the device on and off at short intervals, because it may shorten the durability of the device.
23. IMPORTANT: Replace fuse only by fuse of same type and rating! If fuse blows repeatedly please contact authorized service center!
24. In order to disconnect the device completely from the mains voltage, the power plug must be unplugged.
25. If your device is equipped with a Volex power connector, the matching Volex device plug must be unlocked in order to disconnect it. This also means that a tug on the power cord can pull the device out of place, thus causing personal injuries and/or property damage. Thus please make certain to route your cables carefully.

26. If there is a risk of lightning strike or during extended periods of disuse, unplug the power plug.
27. During transport, make certain that the equipment being transported cannot fall down and possibly cause personal injuries and/or property damage.
28. If your device no longer works properly, if it has been exposed to liquids or an object has fallen inside it or if it has been damaged in some other manner, turn the device off immediately und unplug the power plug. This device should be repaired only by authorized experts.
29. Use only a dry cloth to clean the device.
30. Comply with all of the disposal laws that are applicable in your country. During disposal, please separate plastic and paper/cardboard.
31. Plastic bags must be kept out of the reach of children.

OPERATING DETERMINATIONS
If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.
Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.
Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

WARNING!
1. Do not look into the beam from a distance of less than 40 cm (16 inches).
2. Do not stare into the beam for extended periods at a short distance.
3. Do not view the beam directly with optical instruments such as magnifiers.

CAUTION:

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified personnel.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product´s enclosure that may be of sufficient magnitude to constitute a risk to persons.

The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INTRODUCTION:

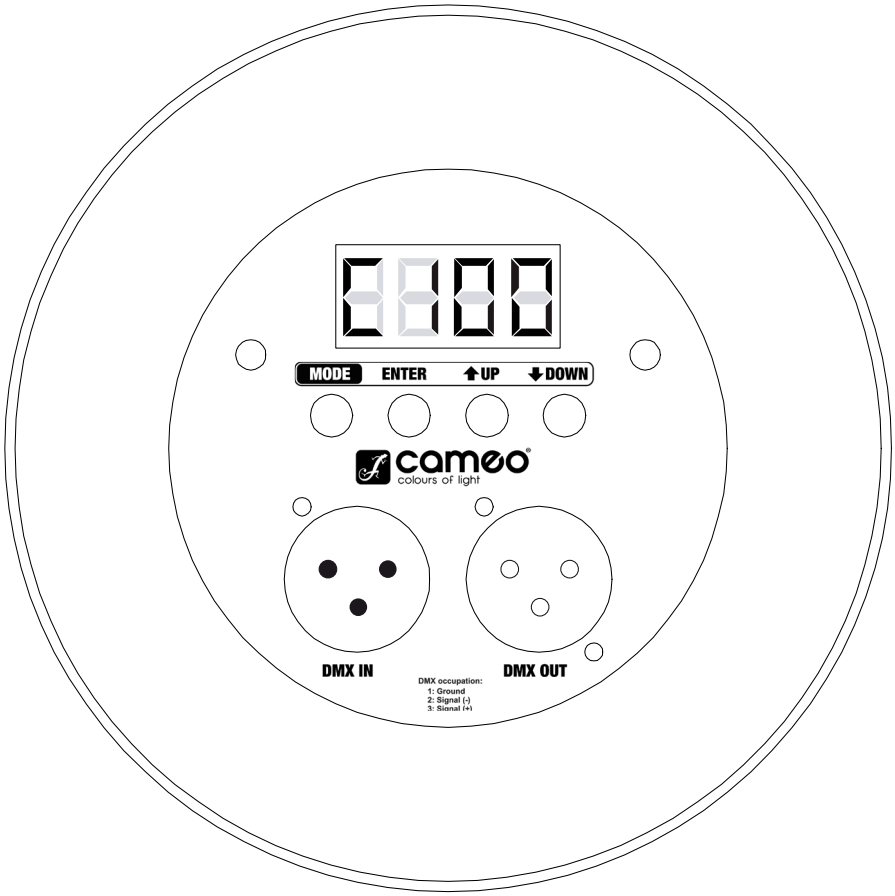
CONTROL FEATURES

18 X 8W QUAD COLOUR LED PAR CAN RGBW
(CLP64Q8WPS - polished,
CLP64Q8WBS - black)
- 2 CH, 3 CH1, 3 CH2, 4 CH, 7 CH DMX Modes
- Individual control of Red, Green, Blue and White colour (RGBW in 1)

FEATURES
- 18 Ultra bright 8W QUAD colour LEDs
- Sound control via internal microphone
- Colour jumping speed and strobe effect adjustable via control panel
- Multi-colour changes
- Master/Slave functions
- Rugged compact housing
- Power consumption: 170 W
- Beam angle 25°
- Long life LEDs

OPERATING INSTRUCTIONS
The Cameo LED CAN is a DMX-512 controllable, colour mixing spot made up of high efficiency and super bright LED's. There are four colours (red, green, blue and white) whose intensity can be controlled individually allowing the creation of an unlimited range of colours. The Cameo LED light will operate in Stand-alone, Master/Slave, Sound controlled and via DMX-512 control.

BACK PANEL:

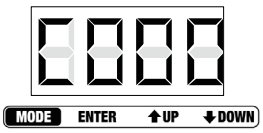

MODE
ENTER
UP
DOWN
cameo
colours of light
DMX IN
DMX OUT
DMX occupation:
1: Ground
2: Signal (-)
3: Signal (+)

MODE SELECTION:

ENGLISH
DEUTSCH
FRANCAIS
ESPAÑOL
POLSKI
ITALIANO

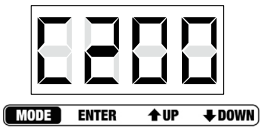
STATIC COLOUR MODE

Press the MODE button repeatedly if necessary to select the Static Colour Mode (CXXX), then press the ENTER button (2. digit blinks) to choose one of the static colours or the strobe function by using the UP and DOWN buttons. C1 represents Red, C2 = Green, C3 = Blue, C4 = White and CF = Strobe. Press ENTER again (3. and 4. digit blink) to adjust the brightness of the pre-selected colour (CX00 - CX99) and the strobe speed (CF00 - CF99) by using the UP and DOWN buttons. Press ENTER to confirm.
Examples: If you set C1, C2, C3 and C4 to zero, the Quad Par Can will have no LEDs on (blackout).
If you set C1 to 99 and C2, C3 and C4 to zero, the colour will be 100% Red.



RED
Brightness C100 - C199

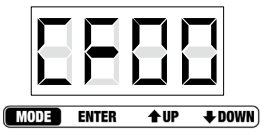
GREEN
Brightness C200 - C299



BLUE
Brightness C300 - C399

WHITE
Brightness C400 - C499

STROBE
Speed CF00 - CF99

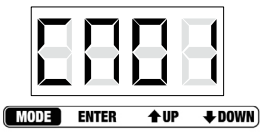


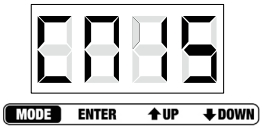
COLOUR MACRO MODE (15 COLOURS)

(REVISION 2 OR HIGHER)

Press the MODE button (repeatedly, if necessary) to select the "Colour Macro" mode (CMXX). Confirm with ENTER and then use the UP and DOWN buttons to select the desired colour. Confirm with ENTER.

1. **RED**
2. **GREEN**
3. **BLUE**
4. **WHITE**
5. **YELLOW**
6. **CYAN**
7. **LAVENDER**
8. **PINK**
9. **BRIGHT GREEN**
10. **MAGENTA**
11. **PALE PINK**
12. **AMBER**
13. **BRIGHT MAGENTA,**
14. **PALE CYAN**
15. **WARM WHITE**



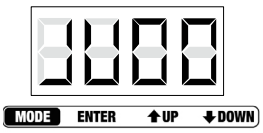


MODE SELECTION:

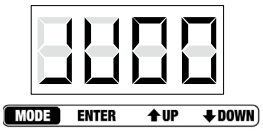
ENGLISH
DEUTSCH
FRANCAIS
ESPAÑOL
POLSKI
ITALIANO

COLOUR JUMPING MODE

Press the MODE button repeatedly if necessary to select the Colour Jumping Mode (JXXX). Press ENTER (2. digit blinks) to select the 15 colour jumping function (JUXX) or the strobe function (JFXX) by using the UP and DOWN buttons.
Press ENTER again (3. and 4. digit blink) to adjust jumping speed (JU00 - JU99) and strobe speed (JF00 - JF99) by using the UP and DOWN buttons. Press ENTER to confirm.
Note: It is possible to use the colour jumping function and the strobe function simultaneously.



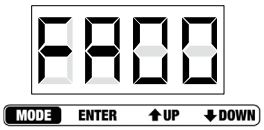
RGBW 15 COLOUR
Jumping speed JU00 - JU99



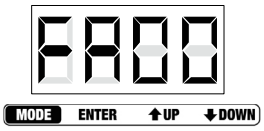
STROBE
Speed JF00 - JF99

COLOUR FADING MODE

Press the MODE button repeatedly if necessary to select the Colour Fading Mode (FXXX). Press ENTER (2. digit blinks) to select the 15 colour fading function (FAXX) or the strobe function (FFXX) by using the UP and DOWN buttons. Press ENTER again (3. and 4. digit blink) to adjust fading speed (FA00 - FA99) and strobe speed (FF00 - FF99) by using the UP and DOWN buttons. Press ENTER to confirm.
Note: It is possible to use the colour fading function and the strobe function simultaneously.



RGBW 15 COLOUR
Fading speed FA00 - FA99

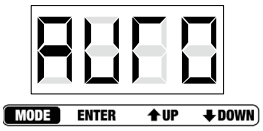


STROBE
Speed FF00 - FF99

MODE SELECTION:

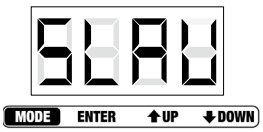
AUTO MODE

Press the MODE button repeatedly if necessary to select the Auto Mode. The unit changes between Colour Jumping Mode and Colour Fading Mode automatically. The colour jumping and fading speed can be preadjusted by using the speed settings of the Colour Jumping and Colour Fading Modes.



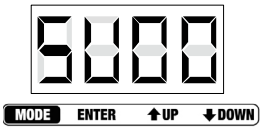
SLAVE MODE

Press the MODE button repeatedly if necessary to enter the Slave Mode. Link slave units and the master unit (exclusively standalone modes) via DMX cables. The slave unit will follow in sequence with the master unit.



SOUND CONTROL MODE

Press the MODE button repeatedly if necessary to select the Sound Control Mode (SUXX). The unit will follow the beat of the music thanks to the built in microphone. Press ENTER again (3. and 4. digit blink) to adjust the sensitivity of the microphone (SU00 - SU99) by using the UP and DOWN buttons. Press ENTER to confirm.

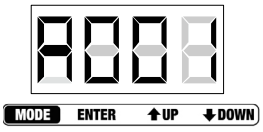


DMX MODE SELECTION

Press the MODE button to enter DMX MODE SELECTION (repeatedly if necessary). Press ENTER (1st digit blinks) and select the desired DMX mode by using the UP and DOWN buttons. Press ENTER again to confirm.
Note: See the description of the different DMX modes on the following pages of this manual.

DMX ADDRESS SETTING MODE

Press the MODE button repeatedly if necessary to enter the DMX Address Setting Mode (AXXX).
Press ENTER to access edit mode (the last 3 digits blink) and select the desired DMX start address by using the UP and DOWN buttons (A001 - A512). Press ENTER to confirm.



NOTE:
The LED display automatically turns off after about 1 minute and turns on again by pressing any of the 4 buttons.

DMX **CONTROL** MODE:

2 CHANNEL MODE		
CHANNEL	**VALUE**	**FUNCTION**
CH1	000 - 255	Master dimmer (0-100 %)
CH2	000 - 016	Red
	017 - 033	Green
	034 - 050	Blue
	051 - 067	White
	068 - 084	Orange
	085 - 101	Cyan
	102 - 118	Lavender
	119 - 135	Pink
	136 - 152	Bright Green
	153 - 169	Magenta
	170 - 186	Pale Pink
	187 - 203	Amber
	204 - 220	Bright Magenta
	221 - 237	Pale Cyan
	238 - 255	Warm White

3 CHANNEL MODE 1		
CHANNEL	**VALUE**	**FUNCTION**
CH1	000 - 255	Master dimmer (0-100 %)
CH2	000 - 255	Strobe (0-100%)
CH3	000 - 080	Colour-Macro
	000 - 004	Blackout
	005 - 010	Red
	011 - 015	Green
	016 - 020	Blue
	021 - 025	White
	026 - 030	Yellow
	031 - 035	Cyan
	036 - 040	Magenta
	041 - 045	Pink
	046 - 050	Bright Green
	051 - 055	Lavender

DMX **CONTROL** MODE:

3 CHANNEL MODE 1		
CHANNEL	**VALUE**	**FUNCTION**
	056 - 060	Pale Pink
	061 - 065	Amber
	066 - 070	Bright Magenta
	071 - 075	Pale Cyan
	076 - 080	Warm White
	081 - 150	Colour Jumping Speed: slowest (081), fastest (150)
	151 - 220	Colour Fading Speed: slowest (151), fastest (220)
	221 - 255	Sound Control (Mic Sensitivity)

3 CHANNEL MODE 2		
CHANNEL	**VALUE**	**FUNCTION**
CH1	000 - 255	RED (0-100%)
CH2	000 - 255	GREEN (0-100%)
CH3	000 - 255	BLUE (0-100%)

4 CHANNEL MODE		
CHANNEL	**VALUE**	**FUNCTION**
CH1	000 - 255	RED (0-100%)
CH2	000 - 255	GREEN (0-100%)
CH3	000 - 255	BLUE (0-100%)
CH4	000 - 255	WHITE (0-100%)

7 CHANNEL MODE		
CHANNEL	**VALUE**	**FUNCTION**
CH1	000 - 255	Master dimmer (0-100 %)
CH2	000 - 255	Strobe (0-100%)

DMX **CONTROL** MODE:

7 CHANNEL MODE		
CHANNEL	**VALUE**	**FUNCTION**
CH3	000 - 255	RED (0-100%)
CH4	000 - 255	GREEN (0-100%)
CH5	000 - 255	BLUE (0-100%)
CH6	000 - 255	WHITE (0-100%)
CH7	000 - 080	Colour-Macro
	000 - 004	Blackout / Colourmix CH3 - CH6
	005 - 010	Red
	011 - 015	Green
	016 - 020	Blue
	021 - 025	White
	026 - 030	Yellow
	031 - 035	Cyan
	036 - 040	Magenta
	041 - 045	Pink
	046 - 050	Bright Green
	051 - 055	Lavender
	056 - 060	Pale Pink
	061 - 065	Amber
	066 - 070	Bright Magenta
	071 - 075	Pale Cyan
	076 - 080	Warm White
	081 - 150	Colour Jumping Speed: slowest (081), fastest (150)
	151 - 220	Colour Fading Speed: slowest (151), fastest (220)
	221 - 255	Sound Control (Mic Sensitivity)

DAISY CHAIN CONNECTION

1) Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture
2) Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Proceed to connect from the output as stated above to the input of the following fixture and so on.

SPECIFICATIONS:

18 X 8W QUAD COLOUR LED PAR CAN RGBW WEIGHT & DIMENSIONS (WITHOUT BRACKET)	
Length	305 mm
Width	260 mm
Height	270 mm
Weight	3,2 kg
Beam angle	25 °
POWER	
Power consumption	170 W
AC input	110 V AC - 250 V AC / 50 Hz - 60 Hz
FUSE	
Main	F2A, 250V
CONTROL & PROGRAMMING	
DMX input	3-pin XLR male socket
DMX output	3-pin XLR female socket
Protocols	DMX-512 USITT
DMX channel modes	2 CH, 3 CH1, 3 CH2, 4 CH, 7 CH

DMX **LINKING**:

DMX-512

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data are sent as serial data that travel from fixture to fixture via the “DMX IN“ and “DMX OUT” XLR terminals located on all DMX fixtures (most controllers only have a “DMX OUT” terminal).

DMX LINKING:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

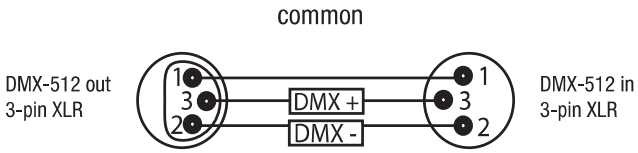
Please check out our comprehensive DMX cable choices out of our Adam Hall product lines 3 STAR, 4 STAR and 5 STAR

Keep in mind that DMX connections must be daisy chained. To avoid malfunction, DMX cabling should not be divided in several lines without the use of an active splitter.

DMX **CABLES**:

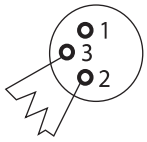
NOTICE:

• Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



SPECIAL NOTE: LINE TERMINATION:

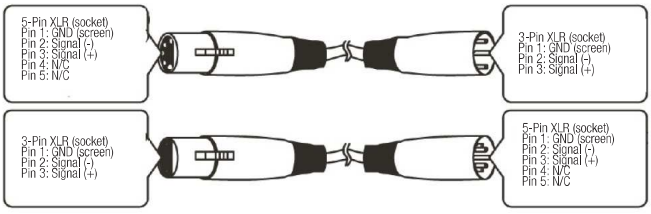
• When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.



Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminator, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (Art. No. K3DMXT3) will decrease the possibilities of erratic behaviour.

• Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The chart below details the correct cable conversion.



MANUFACTURER´S DECLARATIONS:

ENGLISH
DEUTSCH
FRANCAIS
ESPAÑOL
POLSKI
ITALIANO

LIMITED **WARRANTY**

This Limited Warranty applies to the Adam Hall, LD Systems, LD Premium, Defender, Palmer, Cameo and Eminence branded products.

The statutory warranty rights towards the seller are not affected by this guarantee. In fact, it justifies, additional independent warranty claims towards Adam Hall.

Adam Hall warrants that the Adam Hall product you have purchased from Adam Hall or from an Adam Hall authorized reseller is free from defects in materials or workmanship under normal use for a period of 2 or 5 years from the date of purchase.

The Limited Warranty Period starts on the date of purchase. In order to receive warranty services you are required to provide proof of the purchase date. Your dated sales or delivery receipt, showing the date of purchase, is your proof of the purchase date. Should products of the brands named above be in need of repair within the limited warranty period, you are entitled to warranty services according to the terms and conditions stated in this document.

This Limited Warranty extends only to the original purchaser of this Adam Hall branded product and is not transferable to anyone who obtains ownership of the Adam Hall branded product from the original purchaser. During the Limited Warranty Period, Adam Hall will repair or replace the defective component parts or the product. All component parts or hardware products removed under this Limited Warranty become the property of Adam Hall.

In the unlikely event that your Adam Hall product has a recurring failure, Adam Hall, at its discretion, may elect to provide you with a replacement unit of Adam Hall´s choice that is at least equivalent to your Adam Hall branded product in hardware performance.

Adam Hall does not warrant that the operation of this product will be uninterrupted or error-free. Adam Hall is not responsible for damage that occurs as a result of your failure to follow the instructions included with the Adam Hall branded product.

This Limited Warranty does not apply,
- to wear parts (e.g. accumulator)
- to any product from which the serial number has been removed or that has been damaged or rendered defective as the result of an accident
- in case of, misuse, abuse, or other external causes
- by operation outside the usage parameters stated in the user´s documentation shipped with the product by use of spare parts not manufactured or sold by Adam Hall
- by modification or service by anyone other than Adam Hall

These terms and conditions constitute the complete and exclusive warranty agreement between you and Adam Hall regarding the Adam Hall branded product you have purchased.

LIMITATION OF **LIABILITY**

If your Adam Hall branded hardware product fails to work as warranted above, your sole and exclusive remedy shall be repair or replacement. Adam Halls' maximum liability under this limited warranty is expressly limited to the lesser of the price you have paid for the product or the cost of repair or replacement of any hardware components that malfunction in conditions of normal use.

Adam Hall is not liable for any damages caused by the product or the failure of the product, including any lost profits or savings or special, incidental, or consequential damages. Adam Hall is not liable for any claim made by a third party or made by you for a third party.

This limitation of liability applies whether damages are sought, or claims are made, under this Limited Warranty or as a tort claim (including negligence and strict product liability), a contract claim, or any other claim. This limitation of liability cannot be waived or amended by any person. This limitation of liability will be effective even if you have advised Adam Hall of an authorized representative of Adam Hall of the possibility of any such damages. This limitation of liability however, will not apply to claims for personal injury.

This Limited Warranty gives you specific legal rights. You may also have other rights that may vary from state to state or from country to country. You are advised to consult applicable state or country laws for a full determination of your rights.

REQUESTING **WARRANTY-SERVICE**

To request warranty service for the product, contact Adam Hall or the Adam Hall authorized reseller from which you purchased the product.

EC DECLARATION OF CONFORMITY

These devices meet the essential requirements and further relevant specifications of Directives 2004/108/EC (EMC) and 2006/95/EC (LVD). For more information, see www.adamhall.com.

CORRECT DISPOSAL OF THIS PRODUCT (ELECTRICAL WASTE)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an enviromentally friendly manner.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

MANUFACTURER´S DECLARATIONS:

WEEE-DECLARATION

Your LD-Systems product was developed and manufactured with high quality materials and components wich can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.
Please dispose of this product by bringing it to your local collection point or recycling centre for such equipment. This will help to protect the environment in which we all live.

BATTERIES AND ACCUMULATORS

The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose exhausted batteries.

ECOLOGY AND ENERGY SAVING

Saving electric energy helps to protect the environment. Please turn off all electrical equipment when it is not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from mains when not in use.

Adam Hall GmbH, all rights reserved. The technical data and the functional product characteristics can be subject to modifications. The photocopying, the translation, and all other forms of copying of fragments or of the integrality of this user's manual is prohibited.